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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/652,264

08/29/2003

Rajendra P. Cheedella

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EXAMINER

AHLUWALIA, NAVNEET K

ART UNIT

PAPER NUMBER

2166

DATE MAILED: 09/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/652,264

Applicant(s)

CHEEDELLA ET AL.

Examiner

Navneet K. Ahluwalia

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This communication is in response to the Amendment filed March 21, 2006.

Response to Arguments

2. Claims 1 – 23 are pending in this Office Action. After a thorough examination of the present application, claims 1 – 23 remain rejected. The rejection under 35 U.S.C. §112 to claims 14 – 15 are withdrawn in view of the amendment.
3. Applicant's arguments filed with respect to claims 1 – 23 have been fully considered but they are not persuasive.

First, Applicant argues that there is no teaching in Sachse of using data and key of a first table to generate a load file identifying at least one key related to the key of the first table and data associated with at least one key.

In response to Applicant's argument, the Examiner submits that Sachse teaches the use of data and keys of a first table to generate a load file identifying at least one key related to the key of the first table and data associated with at least one key. This is disclosed in column 34 lines 46 - 54. Furthermore in the script code column 55 lines 60 – 64 teach the identification of the column table_owner on the bases of the column index_name under the condition that index_name = UPPER(IN_Index_Name). Therefore it is clearly using data and key of the table to generate the load file. Also see column 57 lines 40 – 44 where the key/columns column_name, data_type and data_length are being identified by user_tab_columns.table_name.

Second, Applicant argues that there is no teaching in Sachse data being extracted from a database.

In response to the Applicant's argument, the Examiner submits that Sachse teaches the data being loaded into the database as taught in column 50 lines 36 – 39. Furthermore, if a script is being run to load data it would be obvious that it would be possible if it was being extracted from a database. Also see column 67 lines 13 – 19 of Sachse.

Third, Applicant argues that there is no teaching in Sachse of a loader component.

In response to the Applicant's argument, the Examiner submits that Sachse teaches a loader component in column 34 lines 56 – 67. It clearly states that there is a data loader utility and data is loaded via the load script at the time the records are loaded. Furthermore in column 50 lines 35 – 45 the data loading script is explained in detail.

Claims 11 and 18 recite the same subject matter and for the same reasons as cited above the rejection is maintained.

Hence, Applicant's arguments do not distinguish the claimed invention over the prior art of record. In light of the foregoing arguments, the 102 rejections are sustained.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1 – 23 are rejected under 35 U.S.C. 102(e) as being anticipated by Sachse et al. ('Sachse' herein after) (US 6,985,901 B1).

With respect to claim 1,

Sachse discloses a data loading tool for loading a target database, comprising:

- an initialization component operable to use data and a key of a first table of a database to generate a load file identifying at least one key related to the key of the first table and data associated with the at least one key (column 35 lines 8 – 15, Sachse);
- a control generator operable to generate at least one control file related to the database (column 43 lines 12 – 19, Sachse);
- an extractor component operable to extract data from the database based on the load file (column 50 lines 36 – 39, Sachse); and

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- a loader component operable to load the data extracted by the extractor component into the target database utilizing the at least one control file (column 50 lines 36 – 44, Sachse).

With respect to claim 2,

Sachse discloses the data loading tool of Claim 1, further comprising a table list identifying a plurality of tables of the database having data desirably loaded in the target database and wherein the loader component loads the data based on the table list (column 52 lines 22 – 29, Sachse).

With respect to claim 3,

Sachse discloses the data loading tool of Claim 2, wherein the initialization component utilizes the table list to identify the at least one key and associated data in the tables of the database identified in the table list (column 53 lines 6 – 9, Sachse).

With respect to claim 4,

Sachse discloses the data loading tool of Claim 1, wherein the control generator generates a plurality of control files, at least one of the control files having information related to the database (column 53 lines 11 – 15, Sachse).

With respect to claim 5,

Sachse discloses the data loading tool of Claim 4, wherein the information related to the database provided in the at least one control file is further defined as a database structure information (column 33 lines 34 – 55 and column 50 lines 60 – 67, Sachse).

With respect to claim 6,

Sachse discloses the data loading tool of Claim 1, wherein at least one of the control files generated by the control generator is further defined as a data file and wherein the extractor component extracts data from the database and writes the data to the data file (column 34 lines 47 – 52, Sachse).

With respect to claim 7,

Sachse discloses the data loading tool of Claim 6, wherein the loader component loads the data from the data file to the target database using the at least one control file (column 34 lines 57 – 63, Sachse).

With respect to claim 8,

Sachse discloses the data loading tool of Claim 7, wherein the data file is further defined as a flat file (column 34 lines 50 – 52, Sachse).

With respect to claim 9,

Sachse discloses the data loading tool of Claim 1, wherein the target database is further defined as a testing database for testing new software and wherein the data loaded in the testing database is further defined as test data (column 33 lines 23 – 29, Sachse).

With respect to claim 10,

Sachse discloses the data loading tool of Claim 9, wherein the database is further defined as a production database having business data (column 33 lines 23 – 29, Sachse).

With respect to claim 11,

Sachse discloses a method of loading a target database, comprising:

- providing a portion of data related to data desirably loaded in the target database (column 35 lines 8 – 15, Sachse);
- providing a table list identifying a plurality of tables of a database maintaining data to be extracted (column 52 lines 20 – 22, Sachse);
- providing a first key name related to one of the plurality of tables maintaining the portion of data (column 33 lines 62 – 67, Sachse);
- generating a load file including at least a second key name and a second portion of data associated with a second table of the plurality of tables of the database by using a relational aspect of the plurality of tables of the database (column 67 lines 14 – 19, Sachse);

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- generating a control file based on the database and a data file (column 43 lines 12 – 19, Sachse);
- extracting data from the database to the data file using the load file (column 50 lines 36 – 39, Sachse); and
- loading the data from the data file to the target database using the control file and the table list (column 50 lines 36 – 44, Sachse).

With respect to claim 12,

Sachse discloses the method of Claim 11, wherein providing the table list further comprises:

- providing a graphical user interface identifying a plurality of tables of the database (column 67 lines 35 – 38, Sachse);
- selecting at least one of the tables provided in the graphical user interface (column 67 lines 42 – 45, Sachse); and
- providing the selected at least one table in the table list (column 68 lines 13 – 22, Sachse).

With respect to claim 13,

Sachse discloses the method of Claim 11, wherein providing the portion of data further comprises:

- providing an input portion of a graphical user interface operable to receive input (column 67 lines 35 – 45, Sachse); and

- inputting the portion of data related to the data desirably loaded in the target database into the input portion of the graphical user interface (column 68 lines 13 – 22, Sachse).

With respect to claim 14,

Sachse discloses the method of Claim 11, wherein the first and second portions of data are similar (column 33 lines 34 – 55, Sachse).

With respect to claim 15,

Sachse discloses the method of Claim 11, wherein the first and second portions of data are different (column 34 lines 57 – 63, Sachse).

With respect to claim 16,

Sachse discloses the method of Claim 11, wherein the control file is based on at least a portion of a structure of the database (column 33 lines 34 – 55 and column 50 lines 60 – 67, Sachse).

With respect to claim 17,

Sachse discloses the method of Claim 11, wherein generating the load file further comprises:

- locating the second key name in the one of the plurality of tables maintaining the portion of data (column 52 lines 20 – 22, Sachse);

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- identifying the second portion of data associated with the second key name (column 52 lines 20 – 22, Sachse);
- identifying a second table from the tables list, locating the second key name and second portion of data in the second table (column 35 lines 8 – 15, Sachse); and
- identifying a third key name and a third portion of data in the second table associated with the second key name and second portion of data in the second table (column 50 lines 36 – 44, Sachse).

With respect to claim 18,

Sachse discloses the method of Claim 11, wherein the second key name is further defined as a primary key of the second table (column 33 lines 62 – 67, Sachse).

With respect to claim 19,

Sachse discloses a method of testing an application using a test database, comprising:

- providing a table list identifying at least some of the tables of a database maintaining data (column 35 lines 8 – 15, Sachse);
- generating a load list including a table name related to at least one of the tables of the database, a key name related to a key of the at least one tables and a portion of data associated with the key by using the key and the portion of data to identify a second key (column 67 lines 14 – 19, Sachse) and a

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- second portion of data in the at least one of the tables to associate with another key and another portion of data in another table of the database based on the relationships of the database (column 52 lines 20 – 22, Sachse);
- generating at least one control file based on at least a portion of a structure of the database (column 43 lines 12 – 19, Sachse);
 - extracting at least some of the data from the database to a data file using the load list (column 50 lines 36 – 39, Sachse); and
 - loading the at least some of the data, based on the load list and using the at least one control file, from the data file to the test database (column 50 lines 36 – 44, Sachse);
 - testing the application using the test database (column 33 lines 23 – 29, Sachse).

With respect to claim 20,

Sachse discloses the method of Claim 19, wherein the portion of data is further defined as associated with a data desirable for testing via the test database (column 33 lines 23 – 29, Sachse).

With respect to claim 21,

Sachse discloses the method of Claim 19, wherein the key is further defined as a primary key of the at least ones of the table and wherein the second key is further

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defined as a secondary key of the at least one of the tables (column 35 lines 8 – 15, Sachse).

With respect to claim 22,

Sachse discloses the method of Claim 19, further comprising associating the secondary key of the at least one of the tables with a primary key of a second table based on a relational association of the at least one of the tables and second table of the database (column 52 lines 20 – 22, Sachse).

With respect to claim 23,

Sachse discloses the method tool of Claim 19, further comprising providing a plurality of key names and searching the at least one of the tables for one of the plurality of key names to locate the second key.

Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

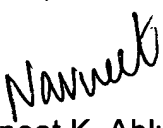
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navneet K. Ahluwalia whose telephone number is 571-272-5636. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam T. Hosain can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Navneet K. Ahluwalia
Examiner
Art Unit 2166


MOHAMMAD ALI
PRIMARY EXAMINER

Dated: 09/20/2006